

Pfeiffer, Jane K - DNR

From: Pfeiffer, Jane K - DNR
Sent: Monday, June 20, 2022 8:20 AM
To: Robert Reineke; shane@roerscompanies.com
Cc: que@scott-crawford.com; Pratap Singh; Daniel Pelczar
Subject: RE: Community Within the Corridor - West Block (02-41-587376) - Commissioning Plan Approval Letter

Good Morning Robert,

Thank you for the update. The DNR looks forward to reviewing this report.

Best, Jane

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Jane Pfeiffer

Phone: (414) 435-8021

jane.pfeiffer@wisconsin.gov

From: Robert Reineke <rreineke@ksinghengineering.com>
Sent: Friday, June 17, 2022 3:52 PM
To: Pfeiffer, Jane K - DNR <jane.pfeiffer@wisconsin.gov>; shane@roerscompanies.com
Cc: que@scott-crawford.com; Pratap Singh <psingh@ksinghengineering.com>; Daniel Pelczar <dpelczar@ksinghengineering.com>
Subject: RE: Community Within the Corridor - West Block (02-41-587376) - Commissioning Plan Approval Letter

**CAUTION: This email originated from outside the organization.
Do not click links or open attachments unless you recognize the sender and know the content is safe.**

Jane,

We received the passive air test results today and did not observe any exceedances of VALs.

We're providing you the attached test results for information purposes and will be submitting a commissioning report on Monday.

Please let us know if you have any questions. Thanks.

Robert T. Reineke, P.E.

Principal Engineer | rreineke@ksinghengineering.com

262. 821.1171 ext. 111 (p) | 262.424.5191 (cell)

www.ksinghengineering.com

From: Robert Reineke
Sent: Monday, June 6, 2022 12:47 PM
To: Pfeiffer, Jane K - DNR <jane.pfeiffer@wisconsin.gov>; shane@roerscompanies.com
Cc: que@scott-crawford.com; Pratap Singh <psingh@ksinghengineering.com>; Daniel Pelczar <dpelczar@ksinghengineering.com>
Subject: RE: Community Within the Corridor - West Block (02-41-587376) - Commissioning Plan Approval Letter

Jane,

We commenced with commissioning on June 1, 2022 at the CWC West Block. Vacuum readings were performed and passive samplers were set in accordance with the approved maintenance plan.

For information purposes, we're providing you with vacuum measurements performed on June 1, 2022 as part of initial commissioning. Please see the attached figure of locations and vacuum readings. As you can see on the figure, we exceeded the 0.004 inches of H2O vacuum goal throughout buildings 7, 8A, and 8B. Maximum reading was 0.680 inches of H2O in SVP-8 and minimum reading was 0.008 inches of H2O in SVP-16.

We will be collecting the passive samplers after 1 week on Wednesday and turning them in for analysis. A commissioning report will be submitted upon receipt of the laboratory results.

Robert T. Reineke, P.E.

Principal Engineer | rreineke@ksinghengineering.com
262. 821.1171 ext. 111 (p) | 262.424.5191 (cell)
www.ksinghengineering.com

From: Pfeiffer, Jane K - DNR <jane.pfeiffer@wisconsin.gov>
Sent: Monday, May 23, 2022 3:49 PM
To: shane@roerscompanies.com
Cc: que@scott-crawford.com; Robert Reineke <rreineke@ksinghengineering.com>; Pratap Singh <psingh@ksinghengineering.com>; Daniel Pelczar <dpelczar@ksinghengineering.com>
Subject: Community Within the Corridor - West Block (02-41-587376) - Commissioning Plan Approval Letter

Greetings,

Attached is the commissioning plan approval letter for the above-referenced site.

Thank you,

Jane

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Jane K. Pfeiffer

Hydrogeologist - Remediation & Redevelopment Program

Wisconsin Department of Natural Resources

Phone: (414) 435-8021

jane.pfeiffer@wisconsin.gov



Total Control Panel

[Login](#)

To: rreineke@ksinghengineering.com

Message Score: 1

High (60): **Pass**

From:

My Spam Blocking Level: Low

Medium (75): **Pass**

prvs=1350e8b77=jane.pfeiffer@wisconsin.gov

Low (90): **Pass**

[Block](#) this sender

[Block](#) wisconsin.gov

This message was delivered because the content filter score did not exceed your filter level.

6/17/2022

Mr. Robert Reineke

K Singh & Associates

Project Name: CWC-West Block

Project #: 40443

Workorder #: 2206224

Dear Mr. Robert Reineke

The following report includes the data for the above referenced project for sample(s) received on 6/10/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Passive S.E. RAD130/SKC are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Jade White at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Jade White

Project Manager

WORK ORDER #: 2206224

Work Order Summary

CLIENT: Mr. Robert Reineke
K Singh & Associates

BILL TO: Mr. Robert Reineke
K Singh & Associates

PHONE:

P.O. #

FAX:

PROJECT # 40443 CWC-West Block

DATE RECEIVED: 06/10/2022

CONTACT: Jade White

DATE COMPLETED: 06/17/2022

| <u>FRACTION #</u> | <u>NAME</u> | <u>TEST</u> |
|-------------------|----------------|-------------------------|
| 01A | IA-8B-02D | Passive S.E. RAD130/SKC |
| 02A | IA-8B-02C | Passive S.E. RAD130/SKC |
| 03A | IA-8B-02A | Passive S.E. RAD130/SKC |
| 04A | IA-8B-02B | Passive S.E. RAD130/SKC |
| 05A | IA-8B-01A | Passive S.E. RAD130/SKC |
| 06A | IA-8B-01C | Passive S.E. RAD130/SKC |
| 07A | IA-8B-01B | Passive S.E. RAD130/SKC |
| 08A | IA-8B-01D | Passive S.E. RAD130/SKC |
| 09A | IA-8A-01C | Passive S.E. RAD130/SKC |
| 10A | IA-8A-01B | Passive S.E. RAD130/SKC |
| 11A | IA-8A-01A | Passive S.E. RAD130/SKC |
| 12A | IA-8A-01D | Passive S.E. RAD130/SKC |
| 13A | IA-8A-BASEMENT | Passive S.E. RAD130/SKC |
| 14A | IA-8A-02B | Passive S.E. RAD130/SKC |
| 15A | Lab Blank | Passive S.E. RAD130/SKC |
| 16A | CCV | Passive S.E. RAD130/SKC |
| 17A | LCS | Passive S.E. RAD130/SKC |
| 17AA | LCSD | Passive S.E. RAD130/SKC |

CERTIFIED BY: 

DATE: 06/17/22

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935

Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)

Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.

Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

LABORATORY NARRATIVE
RAD130 Passive SE by Mod EPA TO-17
K Singh & Associates
Workorder# 2206224

Fourteen Radiello 130 (Solvent) samples were received on June 10, 2022. The laboratory analyzed the charcoal sorbent bed of the passive sampler following modified method EPA TO-17. The VOCs were chemically extracted using carbon disulfide and an aliquot of the extract was injected into a GC/MS for identification and quantification of volatile organic compounds (VOCs).

The mass of each target compound adsorbed by the sampler was converted to units of concentration using the sample deployment time and the sampling rate for each VOC. If sampling rates were calculated by the lab or the manufacturer, the concentration result has been flagged as an estimated value. Results are not corrected for desorption efficiency.

The reference method used for this procedure is EPA TO-17, which describes the collection of VOCs in ambient air using sorbents and analysis by GC/MS. Because TO-17 describes active sample collection using a pump and thermal desorption as the preparation step, several modifications are required. Modifications to TO-17 are listed in the table below:

| <i>Requirement</i> | <i>TO-17</i> | <i>ATL Modifications</i> |
|----------------------------|---|---|
| Sample Collection | Pump pulls measured air volume through sorbent tube | VOCs in air adsorbed onto sorbent bed passively through diffusion |
| Sample Preparation | Thermal extraction | Solvent extraction |
| Sorbent tube conditioning | Condition newly packed tubes prior to use | Charcoal-based sorbent is a single use media and conditioning is conducted by vendor. |
| Instrumentation | Thermal desorption introduction system | Liquid injection introduction system |
| Internal Standard | Gas-phase internal standard introduced on the tube or focusing trap during analysis | Liquid-phase internal standard introduced on the tube at the time of extraction |
| Media and sample storage | <4 deg C, 30 days | Media shelf life is determined by vendor; sample hold-time is 6 months for the RAD130 and WMS. Sample preservation requirements are storage in a cool, solvent-free refrigerator and optional use of ice during shipping. |
| Internal Standard Recovery | +/-40% of daily CCV area | -50% to +100% of daily CCV area |

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The uptake rates were corrected based on average field temperatures if provided. In the absence of field temperatures, the uptake rates determined at 25 deg C were used.

If validated uptake rates were not available, rates were estimated using the chemical's diffusion coefficient in air and the geometric constant of the sampler. Chemicals that are poorly retained by the sorbent over the sampling duration may exhibit a low bias. All concentrations calculated using estimated rates are qualified with a "C" flag.

To calculate ug/m³ concentrations in the Lab Blank, a sampling duration of 10189 minutes was applied. The assumed temperature used for the uptake rate is listed on the data page. If the field temperatures were provided, the rate was adjusted in the same manner as the field samples.

Definition of Data Qualifying Flags

Ten qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

C - Estimated concentration due to calculated sampling rate

CN - See case narrative explanation.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

**Summary of Detected Compounds
VOCS BY PASSIVE SAMPLER - GC/MS**

Client Sample ID: IA-8B-02D

Lab ID#: 2206224-01A

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|----------------------------|-------------------------------|------------------------|---------------------------|
| Tetrachloroethene | 0.10 | 0.17 | 0.19 | 0.32 |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 1.8 C | 3.0 C |

Client Sample ID: IA-8B-02C

Lab ID#: 2206224-02A

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|----------------------------|-------------------------------|------------------------|---------------------------|
| Trichloroethene | 0.10 | 0.14 | 0.17 | 0.25 |
| Tetrachloroethene | 0.10 | 0.17 | 0.65 | 1.1 |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 0.93 C | 1.5 C |

Client Sample ID: IA-8B-02A

Lab ID#: 2206224-03A

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|----------------------------|-------------------------------|------------------------|---------------------------|
| Tetrachloroethene | 0.10 | 0.17 | 0.15 | 0.26 |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 1.7 C | 2.8 C |

Client Sample ID: IA-8B-02B

Lab ID#: 2206224-04A

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|----------------------------|-------------------------------|------------------------|---------------------------|
| Tetrachloroethene | 0.10 | 0.17 | 0.17 | 0.28 |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 1.4 C | 2.4 C |

Client Sample ID: IA-8B-01A

Lab ID#: 2206224-05A

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|----------------------------|-------------------------------|------------------------|---------------------------|
| Tetrachloroethene | 0.10 | 0.17 | 0.15 | 0.25 |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 1.2 C | 2.0 C |

Summary of Detected Compounds VOCS BY PASSIVE SAMPLER - GC/MS

Client Sample ID: IA-8B-01C

Lab ID#: 2206224-06A

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|-------------|----------------|
| Tetrachloroethene | 0.10 | 0.17 | 0.18 | 0.31 |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 0.24 C | 0.40 C |

Client Sample ID: IA-8B-01B

Lab ID#: 2206224-07A

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|-------------|----------------|
| Tetrachloroethene | 0.10 | 0.17 | 0.18 | 0.30 |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 1.3 C | 2.1 C |

Client Sample ID: IA-8B-01D

Lab ID#: 2206224-08A

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|-------------|----------------|
| Tetrachloroethene | 0.10 | 0.17 | 0.24 | 0.41 |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 1.4 C | 2.4 C |

Client Sample ID: IA-8A-01C

Lab ID#: 2206224-09A

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|-------------|----------------|
| Tetrachloroethene | 0.10 | 0.17 | 0.25 | 0.42 |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 2.2 C | 3.7 C |

Client Sample ID: IA-8A-01B

Lab ID#: 2206224-10A

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|-------------|----------------|
| Tetrachloroethene | 0.10 | 0.17 | 25 | 42 |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 2.6 C | 4.3 C |

**Summary of Detected Compounds
VOCS BY PASSIVE SAMPLER - GC/MS**

Client Sample ID: IA-8A-01A

Lab ID#: 2206224-11A

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|----------------------------|-------------------------------|------------------------|---------------------------|
| Tetrachloroethene | 0.10 | 0.17 | 2.0 | 3.4 |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 3.7 C | 6.2 C |

Client Sample ID: IA-8A-01D

Lab ID#: 2206224-12A

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|----------------------------|-------------------------------|------------------------|---------------------------|
| Tetrachloroethene | 0.10 | 0.17 | 1.5 | 2.5 |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 5.0 C | 8.1 C |

Client Sample ID: IA-8A-BASEMENT

Lab ID#: 2206224-13A

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|----------------------------|-------------------------------|------------------------|---------------------------|
| Tetrachloroethene | 0.10 | 0.17 | 1.7 | 2.9 |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 6.0 C | 9.9 C |

Client Sample ID: IA-8A-02B

Lab ID#: 2206224-14A

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|----------------------------|-------------------------------|------------------------|---------------------------|
| Tetrachloroethene | 0.10 | 0.17 | 1.1 | 1.8 |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 3.8 C | 6.2 C |

Client Sample ID: IA-8B-02D

Lab ID#: 2206224-01A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|-------------------|
| File Name: | 18061510sim | Date of Collection: | 6/8/22 3:00:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/15/22 12:22 PM |
| | | Date of Extraction: | 6/15/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.17 | 0.19 | 0.32 |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 1.8 C | 3.0 C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10150 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 84 | 70-130 |

Client Sample ID: IA-8B-02C

Lab ID#: 2206224-02A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|-------------------|
| File Name: | 18061511sim | Date of Collection: | 6/8/22 3:44:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/15/22 12:49 PM |
| | | Date of Extraction: | 6/15/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | 0.17 | 0.25 |
| Tetrachloroethene | 0.10 | 0.17 | 0.65 | 1.1 |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 0.93 C | 1.5 C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10189 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 83 | 70-130 |

Client Sample ID: IA-8B-02A

Lab ID#: 2206224-03A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|-------------------|
| File Name: | 18061512sim | Date of Collection: | 6/8/22 3:45:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/15/22 01:15 PM |
| | | Date of Extraction: | 6/15/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.17 | 0.15 | 0.26 |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 1.7 C | 2.8 C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10188 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 84 | 70-130 |



Air Toxics

Client Sample ID: IA-8B-02B

Lab ID#: 2206224-04A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|-------------------|
| File Name: | 18061513sim | Date of Collection: | 6/8/22 3:44:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/15/22 01:42 PM |
| | | Date of Extraction: | 6/15/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.17 | 0.17 | 0.28 |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 1.4 C | 2.4 C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10184 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 83 | 70-130 |

Client Sample ID: IA-8B-01A

Lab ID#: 2206224-05A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|-------------------|
| File Name: | 18061514sim | Date of Collection: | 6/8/22 3:36:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/15/22 02:08 PM |
| | | Date of Extraction: | 6/15/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.17 | 0.15 | 0.25 |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 1.2 C | 2.0 C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10171 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 84 | 70-130 |

Client Sample ID: IA-8B-01C

Lab ID#: 2206224-06A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|-------------------|
| File Name: | 18061515sim | Date of Collection: | 6/8/22 3:40:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/15/22 02:35 PM |
| | | Date of Extraction: | 6/15/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.17 | 0.18 | 0.31 |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 0.24 C | 0.40 C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10172 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 82 | 70-130 |

Client Sample ID: IA-8B-01B

Lab ID#: 2206224-07A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|-------------------|
| File Name: | 18061516sim | Date of Collection: | 6/8/22 3:41:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/15/22 03:01 PM |
| | | Date of Extraction: | 6/15/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.17 | 0.18 | 0.30 |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 1.3 C | 2.1 C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10170 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 84 | 70-130 |

Client Sample ID: IA-8B-01D

Lab ID#: 2206224-08A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|-------------------|
| File Name: | 18061517sim | Date of Collection: | 6/8/22 3:05:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/15/22 03:28 PM |
| | | Date of Extraction: | 6/15/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.17 | 0.24 | 0.41 |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 1.4 C | 2.4 C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10131 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 83 | 70-130 |

Client Sample ID: IA-8A-01C

Lab ID#: 2206224-09A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|-------------------|
| File Name: | 18061518sim | Date of Collection: | 6/8/22 3:43:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/15/22 03:55 PM |
| | | Date of Extraction: | 6/15/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.17 | 0.25 | 0.42 |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 2.2 C | 3.7 C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10160 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 83 | 70-130 |

Client Sample ID: IA-8A-01B

Lab ID#: 2206224-10A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|-------------------|
| File Name: | 18061519sim | Date of Collection: | 6/8/22 3:38:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/15/22 04:21 PM |
| | | Date of Extraction: | 6/15/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.17 | 25 | 42 |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 2.6 C | 4.3 C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10152 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 83 | 70-130 |

Client Sample ID: IA-8A-01A

Lab ID#: 2206224-11A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|-------------------|
| File Name: | 18061520sim | Date of Collection: | 6/8/22 3:00:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/15/22 04:48 PM |
| | | Date of Extraction: | 6/15/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.17 | 2.0 | 3.4 |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 3.7 C | 6.2 C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10112 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 83 | 70-130 |

Client Sample ID: IA-8A-01D

Lab ID#: 2206224-12A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|-------------------|
| File Name: | 18061521sim | Date of Collection: | 6/8/22 3:44:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/15/22 05:14 PM |
| | | Date of Extraction: | 6/15/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.17 | 1.5 | 2.5 |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 5.0 C | 8.1 C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10154 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 82 | 70-130 |



Air Toxics

Client Sample ID: IA-8A-BASEMENT

Lab ID#: 2206224-13A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|-------------------|
| File Name: | 18061522sim | Date of Collection: | 6/8/22 2:51:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/15/22 05:41 PM |
| | | Date of Extraction: | 6/15/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.17 | 1.7 | 2.9 |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 6.0 C | 9.9 C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10098 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 84 | 70-130 |



Air Toxics

Client Sample ID: IA-8A-02B

Lab ID#: 2206224-14A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|-------------------|
| File Name: | 18061523sim | Date of Collection: | 6/8/22 3:49:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/15/22 06:07 PM |
| | | Date of Extraction: | 6/15/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.17 | 1.1 | 1.8 |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 3.8 C | 6.2 C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10152 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 84 | 70-130 |

Client Sample ID: Lab Blank

Lab ID#: 2206224-15A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|------------------|
| File Name: | 18061505sim | Date of Collection: | NA |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/15/22 09:41 AM |
| | | Date of Extraction: | 6/15/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.17 | Not Detected | Not Detected |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | Not Detected C | Not Detected C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10189 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 84 | 70-130 |



Client Sample ID: CCV

Lab ID#: 2206224-16A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|------------------|
| File Name: | 18061502sim | Date of Collection: | NA |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/15/22 08:14 AM |
| | | Date of Extraction: | NA |

| Compound | %Recovery |
|--------------------------|-----------|
| Trichloroethene | 97 |
| Tetrachloroethene | 96 |
| cis-1,2-Dichloroethene | 86 |
| trans-1,2-Dichloroethene | 82 |

Container Type: NA - Not Applicable

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 84 | 70-130 |

Client Sample ID: LCS

Lab ID#: 2206224-17A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | |
|--------------|-------------|------------------------------------|
| File Name: | 18061503sim | Date of Collection: NA |
| Dil. Factor: | 1.00 | Date of Analysis: 6/15/22 08:48 AM |
| | | Date of Extraction: 6/15/22 |

| Compound | %Recovery | Method Limits |
|--------------------------|-----------|---------------|
| Trichloroethene | 98 | 70-130 |
| Tetrachloroethene | 97 | 70-130 |
| cis-1,2-Dichloroethene | 75 | 70-130 |
| trans-1,2-Dichloroethene | 70 | 70-130 |

Container Type: NA - Not Applicable

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 85 | 70-130 |



Client Sample ID: LCSD

Lab ID#: 2206224-17AA

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|------------------|
| File Name: | 18061504sim | Date of Collection: | NA |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/15/22 09:15 AM |
| | | Date of Extraction: | 6/15/22 |

| Compound | %Recovery | Method Limits |
|--------------------------|-----------|---------------|
| Trichloroethene | 102 | 70-130 |
| Tetrachloroethene | 96 | 70-130 |
| cis-1,2-Dichloroethene | 89 | 70-130 |
| trans-1,2-Dichloroethene | 86 | 70-130 |

Container Type: NA - Not Applicable

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 86 | 70-130 |

6/17/2022

Mr. Robert Reineke

K Singh & Associates

Project Name: CWC-West Block

Project #: 40443

Workorder #: 2206225

Dear Mr. Robert Reineke

The following report includes the data for the above referenced project for sample(s) received on 6/10/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Passive S.E. RAD130/SKC are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Jade White at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Jade White

Project Manager

WORK ORDER #: 2206225

Work Order Summary

CLIENT: Mr. Robert Reineke
K Singh & Associates

BILL TO: Mr. Robert Reineke
K Singh & Associates

PHONE:

P.O. #

FAX:

PROJECT # 40443 CWC-West Block

DATE RECEIVED: 06/10/2022

CONTACT: Jade White

DATE COMPLETED: 06/17/2022

| <u>FRACTION #</u> | <u>NAME</u> | <u>TEST</u> | <u>RECEIPT VAC./PRES.</u> | <u>FINAL PRESSURE</u> |
|-------------------|---------------|-------------------------|-------------------------------|---------------------------|
| 01A | IA-6-01-B | Passive S.E. RAD130/SKC | | |
| 02A | IA-6-01-A | Passive S.E. RAD130/SKC | | |
| 03A | IA-6-01-C | Passive S.E. RAD130/SKC | | |
| 04A | IA-6-02-B | Passive S.E. RAD130/SKC | | |
| 05A | IA-6-02A | Passive S.E. RAD130/SKC | | |
| 06A | IA-6-02C | Passive S.E. RAD130/SKC | | |
| 07A | IA-6-Basement | Passive S.E. RAD130/SKC | | |
| 08A | IA-7-01D | Passive S.E. RAD130/SKC | | |
| 09A | IA-7-01A | Passive S.E. RAD130/SKC | | |
| 10A | IA-7-01B | Passive S.E. RAD130/SKC | | |
| 11A | IA-7-01C | Passive S.E. RAD130/SKC | | |
| 12A | IA-7-02B | Passive S.E. RAD130/SKC | | |
| 13A | IA-7-02C | Passive S.E. RAD130/SKC | | |
| 14A | IA-7-02A | Passive S.E. RAD130/SKC | | |
| 15A | IA-8A-02A | Passive S.E. RAD130/SKC | | |
| 16A | IA-8A-02C | Passive S.E. RAD130/SKC | | |
| 17A | IA-8A-02D | Passive S.E. RAD130/SKC | | |
| 18A | IA-8A-03C | Passive S.E. RAD130/SKC | | |
| 19A | IA-8A-03F | Passive S.E. RAD130/SKC | | |
| 20A | IA-8A-03D | Passive S.E. RAD130/SKC | | |
| 21A | IA-8A-03C | Passive S.E. RAD130/SKC | | |
| 22A | IA-8A-03A | Passive S.E. RAD130/SKC | | |
| 23A | IA-8A-03B | Passive S.E. RAD130/SKC | | |

Continued on next page

WORK ORDER #: 2206225

Work Order Summary

CLIENT: Mr. Robert Reineke
K Singh & Associates

BILL TO: Mr. Robert Reineke
K Singh & Associates

PHONE:

P.O. #

FAX:

PROJECT # 40443 CWC-West Block

DATE RECEIVED: 06/10/2022

CONTACT: Jade White

DATE COMPLETED: 06/17/2022

| <u>FRACTION #</u> | <u>NAME</u> | <u>TEST</u> | <u>RECEIPT VAC./PRES.</u> | <u>FINAL PRESSURE</u> |
|-------------------|-------------------------|-------------------------|-------------------------------|---------------------------|
| 24A | OA-6/7/8A/8B Background | Passive S.E. RAD130/SKC | | |
| 25A | Lab Blank | Passive S.E. RAD130/SKC | | |
| 25B | Lab Blank | Passive S.E. RAD130/SKC | | |
| 26A | CCV | Passive S.E. RAD130/SKC | NA | NA |
| 26B | CCV | Passive S.E. RAD130/SKC | NA | NA |
| 27A | LCS | Passive S.E. RAD130/SKC | NA | NA |
| 27AA | LCSD | Passive S.E. RAD130/SKC | NA | NA |
| 27B | LCS | Passive S.E. RAD130/SKC | NA | NA |
| 27BB | LCSD | Passive S.E. RAD130/SKC | NA | NA |

CERTIFIED BY:



Technical Director

DATE: 06/17/22

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935

Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)

Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.

Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE
RAD130 Passive SE by Mod EPA TO-17
K Singh & Associates
Workorder# 2206225**

Twenty-four Radiello 130 (Solvent) samples were received on June 10, 2022. The laboratory analyzed the charcoal sorbent bed of the passive sampler following modified method EPA TO-17. The VOCs were chemically extracted using carbon disulfide and an aliquot of the extract was injected into a GC/MS for identification and quantification of volatile organic compounds (VOCs).

The mass of each target compound adsorbed by the sampler was converted to units of concentration using the sample deployment time and the sampling rate for each VOC. If sampling rates were calculated by the lab or the manufacturer, the concentration result has been flagged as an estimated value. Results are not corrected for desorption efficiency.

The reference method used for this procedure is EPA TO-17, which describes the collection of VOCs in ambient air using sorbents and analysis by GC/MS. Because TO-17 describes active sample collection using a pump and thermal desorption as the preparation step, several modifications are required. Modifications to TO-17 are listed in the table below:

| <i>Requirement</i> | <i>TO-17</i> | <i>ATL Modifications</i> |
|----------------------------|---|---|
| Sample Collection | Pump pulls measured air volume through sorbent tube | VOCs in air adsorbed onto sorbent bed passively through diffusion |
| Sample Preparation | Thermal extraction | Solvent extraction |
| Sorbent tube conditioning | Condition newly packed tubes prior to use | Charcoal-based sorbent is a single use media and conditioning is conducted by vendor. |
| Instrumentation | Thermal desorption introduction system | Liquid injection introduction system |
| Internal Standard | Gas-phase internal standard introduced on the tube or focusing trap during analysis | Liquid-phase internal standard introduced on the tube at the time of extraction |
| Media and sample storage | <4 deg C, 30 days | Media shelf life is determined by vendor; sample hold-time is 6 months for the RAD130 and WMS. Sample preservation requirements are storage in a cool, solvent-free refrigerator and optional use of ice during shipping. |
| Internal Standard Recovery | +/-40% of daily CCV area | -50% to +100% of daily CCV area |

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The uptake rates were corrected based on average field temperatures if provided. In the absence of field temperatures, the uptake rates determined at 25 deg C were used.

If validated uptake rates were not available, rates were estimated using the chemical's diffusion coefficient in air and the geometric constant of the sampler. Chemicals that are poorly retained by the sorbent over the sampling duration may exhibit a low bias. All concentrations calculated using estimated rates are qualified with a "C" flag.

To calculate ug/m³ concentrations in the Lab Blanks, a sampling duration of 10294 minutes was applied. The assumed temperature used for the uptake rate is listed on the data page. If the field temperatures were provided, the rate was adjusted in the same manner as the field samples.

Definition of Data Qualifying Flags

Ten qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

C - Estimated concentration due to calculated sampling rate

CN - See case narrative explanation.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Summary of Detected Compounds VOCS BY PASSIVE SAMPLER - GC/MS

Client Sample ID: IA-6-01-B

Lab ID#: 2206225-01A

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|-------------|----------------|
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 2.4 C | 4.0 C |

Client Sample ID: IA-6-01-A

Lab ID#: 2206225-02A

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|-------------|----------------|
| trans-1,2-Dichloroethene | 0.20 | 0.32 | 0.31 C | 0.50 C |

Client Sample ID: IA-6-01-C

Lab ID#: 2206225-03A

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|-------------|----------------|
| Trichloroethene | 0.10 | 0.14 | 0.10 | 0.14 |
| Tetrachloroethene | 0.10 | 0.17 | 0.44 | 0.74 |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 0.78 C | 1.3 C |

Client Sample ID: IA-6-02-B

Lab ID#: 2206225-04A

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|-------------|----------------|
| Tetrachloroethene | 0.10 | 0.16 | 0.14 | 0.24 |
| trans-1,2-Dichloroethene | 0.20 | 0.32 | 2.2 C | 3.6 C |

Client Sample ID: IA-6-02A

Lab ID#: 2206225-05A

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|-------------|----------------|
| Tetrachloroethene | 0.10 | 0.17 | 0.23 | 0.39 |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 1.9 C | 3.2 C |

Client Sample ID: IA-6-02C

Lab ID#: 2206225-06A

**Summary of Detected Compounds
VOCS BY PASSIVE SAMPLER - GC/MS**

Client Sample ID: IA-6-02C

Lab ID#: 2206225-06A

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|----------------------------|-------------------------------|------------------------|---------------------------|
| Trichloroethene | 0.10 | 0.14 | 0.14 | 0.19 |
| Tetrachloroethene | 0.10 | 0.16 | 0.25 | 0.41 |
| trans-1,2-Dichloroethene | 0.20 | 0.32 | 1.4 C | 2.3 C |

Client Sample ID: IA-6-Basement

Lab ID#: 2206225-07A

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|----------------------------|-------------------------------|------------------------|---------------------------|
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 0.62 C | 1.0 C |

Client Sample ID: IA-7-01D

Lab ID#: 2206225-08A

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|----------------------------|-------------------------------|------------------------|---------------------------|
| Tetrachloroethene | 0.10 | 0.16 | 0.40 | 0.65 |
| trans-1,2-Dichloroethene | 0.20 | 0.32 | 0.74 C | 1.2 C |

Client Sample ID: IA-7-01A

Lab ID#: 2206225-09A

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|----------------------------|-------------------------------|------------------------|---------------------------|
| Tetrachloroethene | 0.10 | 0.16 | 0.11 | 0.18 |
| trans-1,2-Dichloroethene | 0.20 | 0.32 | 1.4 C | 2.2 C |

Client Sample ID: IA-7-01B

Lab ID#: 2206225-10A

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|----------------------------|-------------------------------|------------------------|---------------------------|
| Tetrachloroethene | 0.10 | 0.16 | 0.10 | 0.16 |
| trans-1,2-Dichloroethene | 0.20 | 0.32 | 1.1 C | 1.8 C |

**Summary of Detected Compounds
VOCS BY PASSIVE SAMPLER - GC/MS**

Client Sample ID: IA-7-01C

Lab ID#: 2206225-11A

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|----------------------------|-------------------------------|------------------------|---------------------------|
| Tetrachloroethene | 0.10 | 0.16 | 0.27 | 0.45 |
| trans-1,2-Dichloroethene | 0.20 | 0.32 | 1.1 C | 1.7 C |

Client Sample ID: IA-7-02B

Lab ID#: 2206225-12A

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|----------------------------|-------------------------------|------------------------|---------------------------|
| Tetrachloroethene | 0.10 | 0.17 | 0.12 | 0.19 |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 1.7 C | 2.7 C |

Client Sample ID: IA-7-02C

Lab ID#: 2206225-13A

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|----------------------------|-------------------------------|------------------------|---------------------------|
| Tetrachloroethene | 0.10 | 0.16 | 1.1 | 1.8 |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 1.1 C | 1.9 C |

Client Sample ID: IA-7-02A

Lab ID#: 2206225-14A

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|----------------------------|-------------------------------|------------------------|---------------------------|
| Tetrachloroethene | 0.10 | 0.17 | 0.13 | 0.21 |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 1.7 C | 2.8 C |

Client Sample ID: IA-8A-02A

Lab ID#: 2206225-15A

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|----------------------------|-------------------------------|------------------------|---------------------------|
| Tetrachloroethene | 0.10 | 0.17 | 0.44 | 0.74 |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 1.9 C | 3.1 C |

**Summary of Detected Compounds
VOCS BY PASSIVE SAMPLER - GC/MS**

Client Sample ID: IA-8A-02C

Lab ID#: 2206225-16A

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|----------------------------|-------------------------------|------------------------|---------------------------|
| Tetrachloroethene | 0.10 | 0.17 | 4.4 | 7.4 |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 1.7 C | 2.8 C |

Client Sample ID: IA-8A-02D

Lab ID#: 2206225-17A

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|----------------------------|-------------------------------|------------------------|---------------------------|
| Tetrachloroethene | 0.10 | 0.17 | 0.28 | 0.47 |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 2.6 C | 4.3 C |

Client Sample ID: IA-8A-03C

Lab ID#: 2206225-18A

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|----------------------------|-------------------------------|------------------------|---------------------------|
| Tetrachloroethene | 0.10 | 0.17 | 0.31 | 0.53 |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 5.0 C | 8.2 C |

Client Sample ID: IA-8A-03F

Lab ID#: 2206225-19A

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|----------------------------|-------------------------------|------------------------|---------------------------|
| Tetrachloroethene | 0.10 | 0.17 | 0.48 | 0.80 |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 23 C | 38 C |

Client Sample ID: IA-8A-03D

Lab ID#: 2206225-20A

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|----------------------------|-------------------------------|------------------------|---------------------------|
| Tetrachloroethene | 0.10 | 0.17 | 0.53 | 0.88 |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 6.0 C | 9.9 C |

**Summary of Detected Compounds
VOCS BY PASSIVE SAMPLER - GC/MS**

Client Sample ID: IA-8A-03C

Lab ID#: 2206225-21A

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|----------------------------|-------------------------------|------------------------|---------------------------|
| Tetrachloroethene | 0.10 | 0.17 | 2.1 | 3.5 |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 4.4 C | 7.2 C |

Client Sample ID: IA-8A-03A

Lab ID#: 2206225-22A

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|----------------------------|-------------------------------|------------------------|---------------------------|
| Tetrachloroethene | 0.10 | 0.17 | 0.66 | 1.1 |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 6.6 C | 11 C |

Client Sample ID: IA-8A-03B

Lab ID#: 2206225-23A

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|----------------------------|-------------------------------|------------------------|---------------------------|
| Tetrachloroethene | 0.10 | 0.17 | 0.85 | 1.4 |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 4.4 C | 7.2 C |

Client Sample ID: OA-6/7/8A/8B Background

Lab ID#: 2206225-24A

No Detections Were Found.

Client Sample ID: IA-6-01-B

Lab ID#: 2206225-01A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|-------------------|
| File Name: | 18061406sim | Date of Collection: | 6/8/22 1:48:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/14/22 11:01 AM |
| | | Date of Extraction: | 6/14/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.17 | Not Detected | Not Detected |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 2.4 C | 4.0 C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10177 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 84 | 70-130 |

Client Sample ID: IA-6-01-A

Lab ID#: 2206225-02A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|-------------------|
| File Name: | 18061407sim | Date of Collection: | 6/8/22 3:55:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/14/22 11:27 AM |
| | | Date of Extraction: | 6/14/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.16 | Not Detected | Not Detected |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.32 | 0.31 C | 0.50 C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10294 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 83 | 70-130 |

Client Sample ID: IA-6-01-C

Lab ID#: 2206225-03A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|-------------------|
| File Name: | 18061408sim | Date of Collection: | 6/8/22 2:14:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/14/22 11:53 AM |
| | | Date of Extraction: | 6/14/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | 0.10 | 0.14 |
| Tetrachloroethene | 0.10 | 0.17 | 0.44 | 0.74 |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 0.78 C | 1.3 C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10186 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 83 | 70-130 |

Client Sample ID: IA-6-02-B

Lab ID#: 2206225-04A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|-------------------|
| File Name: | 18061409sim | Date of Collection: | 6/8/22 3:50:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/14/22 12:20 PM |
| | | Date of Extraction: | 6/14/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.16 | 0.14 | 0.24 |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.32 | 2.2 C | 3.6 C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10265 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 83 | 70-130 |

Client Sample ID: IA-6-02A

Lab ID#: 2206225-05A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|-------------------|
| File Name: | 18061410sim | Date of Collection: | 6/8/22 2:09:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/14/22 12:46 PM |
| | | Date of Extraction: | 6/14/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.17 | 0.23 | 0.39 |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 1.9 C | 3.2 C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10161 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 82 | 70-130 |

Client Sample ID: IA-6-02C

Lab ID#: 2206225-06A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|-------------------|
| File Name: | 18061411sim | Date of Collection: | 6/8/22 3:51:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/14/22 01:13 PM |
| | | Date of Extraction: | 6/14/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | 0.14 | 0.19 |
| Tetrachloroethene | 0.10 | 0.16 | 0.25 | 0.41 |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.32 | 1.4 C | 2.3 C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10262 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 83 | 70-130 |



Air Toxics

Client Sample ID: IA-6-Basement

Lab ID#: 2206225-07A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|-------------------|
| File Name: | 18061412sim | Date of Collection: | 6/8/22 2:55:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/14/22 01:39 PM |
| | | Date of Extraction: | 6/14/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.17 | Not Detected | Not Detected |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 0.62 C | 1.0 C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10181 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 84 | 70-130 |

Client Sample ID: IA-7-01D

Lab ID#: 2206225-08A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|-------------------|
| File Name: | 18061413sim | Date of Collection: | 6/8/22 4:10:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/14/22 02:06 PM |
| | | Date of Extraction: | 6/14/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.16 | 0.40 | 0.65 |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.32 | 0.74 C | 1.2 C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10252 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 84 | 70-130 |

Client Sample ID: IA-7-01A

Lab ID#: 2206225-09A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|-------------------|
| File Name: | 18061414sim | Date of Collection: | 6/8/22 4:15:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/14/22 02:32 PM |
| | | Date of Extraction: | 6/14/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.16 | 0.11 | 0.18 |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.32 | 1.4 C | 2.2 C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10254 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 83 | 70-130 |

Client Sample ID: IA-7-01B

Lab ID#: 2206225-10A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|-------------------|
| File Name: | 18061415sim | Date of Collection: | 6/8/22 4:10:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/14/22 02:59 PM |
| | | Date of Extraction: | 6/14/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.16 | 0.10 | 0.16 |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.32 | 1.1 C | 1.8 C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10247 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 84 | 70-130 |

Client Sample ID: IA-7-01C

Lab ID#: 2206225-11A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|-------------------|
| File Name: | 18061416sim | Date of Collection: | 6/8/22 4:10:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/14/22 03:25 PM |
| | | Date of Extraction: | 6/14/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.16 | 0.27 | 0.45 |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.32 | 1.1 C | 1.7 C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10245 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 84 | 70-130 |

Client Sample ID: IA-7-02B

Lab ID#: 2206225-12A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|-------------------|
| File Name: | 18061417sim | Date of Collection: | 6/8/22 2:25:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/14/22 03:51 PM |
| | | Date of Extraction: | 6/14/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.17 | 0.12 | 0.19 |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 1.7 C | 2.7 C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10135 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 84 | 70-130 |

Client Sample ID: IA-7-02C

Lab ID#: 2206225-13A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|-------------------|
| File Name: | 18061418sim | Date of Collection: | 6/8/22 3:50:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/14/22 04:18 PM |
| | | Date of Extraction: | 6/14/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.16 | 1.1 | 1.8 |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 1.1 C | 1.9 C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10217 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 83 | 70-130 |

Client Sample ID: IA-7-02A

Lab ID#: 2206225-14A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|-------------------|
| File Name: | 18061419sim | Date of Collection: | 6/8/22 2:26:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/14/22 04:44 PM |
| | | Date of Extraction: | 6/14/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.17 | 0.13 | 0.21 |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 1.7 C | 2.8 C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10130 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 84 | 70-130 |



Air Toxics

Client Sample ID: IA-8A-02A

Lab ID#: 2206225-15A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|-------------------|
| File Name: | 18061420sim | Date of Collection: | 6/8/22 3:48:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/14/22 05:11 PM |
| | | Date of Extraction: | 6/14/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.17 | 0.44 | 0.74 |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 1.9 C | 3.1 C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10148 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 83 | 70-130 |

Client Sample ID: IA-8A-02C

Lab ID#: 2206225-16A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|-------------------|
| File Name: | 18061421sim | Date of Collection: | 6/8/22 3:47:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/14/22 05:37 PM |
| | | Date of Extraction: | 6/14/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.17 | 4.4 | 7.4 |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 1.7 C | 2.8 C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10144 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 83 | 70-130 |

Client Sample ID: IA-8A-02D

Lab ID#: 2206225-17A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|-------------------|
| File Name: | 18061422sim | Date of Collection: | 6/8/22 3:07:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/14/22 06:03 PM |
| | | Date of Extraction: | 6/14/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.17 | 0.28 | 0.47 |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 2.6 C | 4.3 C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10100 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 83 | 70-130 |



Air Toxics

Client Sample ID: IA-8A-03C

Lab ID#: 2206225-18A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|-------------------|
| File Name: | 18061423sim | Date of Collection: | 6/8/22 3:35:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/14/22 06:30 PM |
| | | Date of Extraction: | 6/14/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.17 | 0.31 | 0.53 |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 5.0 C | 8.2 C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10119 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 83 | 70-130 |



Air Toxics

Client Sample ID: IA-8A-03F

Lab ID#: 2206225-19A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|-------------------|
| File Name: | 18061424sim | Date of Collection: | 6/8/22 4:00:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/14/22 06:56 PM |
| | | Date of Extraction: | 6/14/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.17 | 0.48 | 0.80 |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 23 C | 38 C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10142 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 83 | 70-130 |

Client Sample ID: IA-8A-03D

Lab ID#: 2206225-20A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|-------------------|
| File Name: | 18061425sim | Date of Collection: | 6/8/22 4:00:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/14/22 07:23 PM |
| | | Date of Extraction: | 6/14/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.17 | 0.53 | 0.88 |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 6.0 C | 9.9 C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10139 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 85 | 70-130 |

Client Sample ID: IA-8A-03C

Lab ID#: 2206225-21A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|-------------------|
| File Name: | 18061506sim | Date of Collection: | 6/8/22 3:55:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/15/22 10:36 AM |
| | | Date of Extraction: | 6/15/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.17 | 2.1 | 3.5 |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 4.4 C | 7.2 C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10131 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 82 | 70-130 |

Client Sample ID: IA-8A-03A

Lab ID#: 2206225-22A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|-------------------|
| File Name: | 18061507sim | Date of Collection: | 6/8/22 3:55:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/15/22 11:02 AM |
| | | Date of Extraction: | 6/15/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.17 | 0.66 | 1.1 |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 6.6 C | 11 C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10129 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 83 | 70-130 |

Client Sample ID: IA-8A-03B

Lab ID#: 2206225-23A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|-------------------|
| File Name: | 18061508sim | Date of Collection: | 6/8/22 3:46:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/15/22 11:29 AM |
| | | Date of Extraction: | 6/15/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.17 | 0.85 | 1.4 |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | 4.4 C | 7.2 C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10116 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 84 | 70-130 |



Air Toxics

Client Sample ID: OA-6/7/8A/8B Background

Lab ID#: 2206225-24A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|-------------------|
| File Name: | 18061509sim | Date of Collection: | 6/8/22 1:55:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/15/22 11:56 AM |
| | | Date of Extraction: | 6/15/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.17 | Not Detected | Not Detected |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.33 | Not Detected C | Not Detected C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10190 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 85 | 70-130 |

Client Sample ID: Lab Blank

Lab ID#: 2206225-25A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|------------------|
| File Name: | 18061405sim | Date of Collection: | NA |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/14/22 10:16 AM |
| | | Date of Extraction: | 6/14/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.16 | Not Detected | Not Detected |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.32 | Not Detected C | Not Detected C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10294 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 83 | 70-130 |

Client Sample ID: Lab Blank

Lab ID#: 2206225-25B

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|------------------|
| File Name: | 18061505sim | Date of Collection: | NA |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/15/22 09:41 AM |
| | | Date of Extraction: | 6/15/22 |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|--------------------------|-----------------|--------------------|----------------|----------------|
| Trichloroethene | 0.10 | 0.14 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.16 | Not Detected | Not Detected |
| cis-1,2-Dichloroethene | 0.10 | 0.16 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.32 | Not Detected C | Not Detected C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10294 minutes.

Container Type: Radiello 130 (Solvent)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 84 | 70-130 |

Client Sample ID: CCV

Lab ID#: 2206225-26A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | |
|--------------|-------------|------------------------------------|
| File Name: | 18061402sim | Date of Collection: NA |
| Dil. Factor: | 1.00 | Date of Analysis: 6/14/22 08:49 AM |
| | | Date of Extraction: NA |

| Compound | %Recovery |
|--------------------------|-----------|
| Trichloroethene | 102 |
| Tetrachloroethene | 94 |
| cis-1,2-Dichloroethene | 100 |
| trans-1,2-Dichloroethene | 95 |

Container Type: NA - Not Applicable

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 84 | 70-130 |

Client Sample ID: CCV

Lab ID#: 2206225-26B

VOCS BY PASSIVE SAMPLER - GC/MS

| | | |
|--------------|-------------|------------------------------------|
| File Name: | 18061502sim | Date of Collection: NA |
| Dil. Factor: | 1.00 | Date of Analysis: 6/15/22 08:14 AM |
| | | Date of Extraction: NA |

| Compound | %Recovery |
|--------------------------|-----------|
| Trichloroethene | 97 |
| Tetrachloroethene | 96 |
| cis-1,2-Dichloroethene | 86 |
| trans-1,2-Dichloroethene | 82 |

Container Type: NA - Not Applicable

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 84 | 70-130 |

Client Sample ID: LCS

Lab ID#: 2206225-27A

VOCS BY PASSIVE SAMPLER - GC/MS

| | | |
|--------------|-------------|------------------------------------|
| File Name: | 18061403sim | Date of Collection: NA |
| Dil. Factor: | 1.00 | Date of Analysis: 6/14/22 09:23 AM |
| | | Date of Extraction: 6/14/22 |

| Compound | %Recovery | Method Limits |
|--------------------------|-----------|---------------|
| Trichloroethene | 96 | 70-130 |
| Tetrachloroethene | 89 | 70-130 |
| cis-1,2-Dichloroethene | 88 | 70-130 |
| trans-1,2-Dichloroethene | 84 | 70-130 |

Container Type: NA - Not Applicable

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 83 | 70-130 |

Client Sample ID: LCSD

Lab ID#: 2206225-27AA

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|------------------|
| File Name: | 18061404sim | Date of Collection: | NA |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/14/22 09:50 AM |
| | | Date of Extraction: | 6/14/22 |

| Compound | %Recovery | Method Limits |
|--------------------------|-----------|---------------|
| Trichloroethene | 98 | 70-130 |
| Tetrachloroethene | 92 | 70-130 |
| cis-1,2-Dichloroethene | 92 | 70-130 |
| trans-1,2-Dichloroethene | 88 | 70-130 |

Container Type: NA - Not Applicable

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 84 | 70-130 |

Client Sample ID: LCS

Lab ID#: 2206225-27B

VOCS BY PASSIVE SAMPLER - GC/MS

| | | |
|--------------|-------------|------------------------------------|
| File Name: | 18061503sim | Date of Collection: NA |
| Dil. Factor: | 1.00 | Date of Analysis: 6/15/22 08:48 AM |
| | | Date of Extraction: 6/15/22 |

| Compound | %Recovery | Method Limits |
|--------------------------|-----------|---------------|
| Trichloroethene | 98 | 70-130 |
| Tetrachloroethene | 97 | 70-130 |
| cis-1,2-Dichloroethene | 75 | 70-130 |
| trans-1,2-Dichloroethene | 70 | 70-130 |

Container Type: NA - Not Applicable

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 85 | 70-130 |



Client Sample ID: LCSD

Lab ID#: 2206225-27BB

VOCS BY PASSIVE SAMPLER - GC/MS

| | | | |
|--------------|-------------|---------------------|------------------|
| File Name: | 18061504sim | Date of Collection: | NA |
| Dil. Factor: | 1.00 | Date of Analysis: | 6/15/22 09:15 AM |
| | | Date of Extraction: | 6/15/22 |

| Compound | %Recovery | Method Limits |
|--------------------------|-----------|---------------|
| Trichloroethene | 102 | 70-130 |
| Tetrachloroethene | 96 | 70-130 |
| cis-1,2-Dichloroethene | 89 | 70-130 |
| trans-1,2-Dichloroethene | 86 | 70-130 |

Container Type: NA - Not Applicable

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
| Toluene-d8 | 86 | 70-130 |